

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
29 December 2004 (29.12.2004)

PCT

(10) International Publication Number  
**WO 2004/112492 A1**

- 
- (51) International Patent Classification<sup>7</sup>: A23G 9/00    (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (21) International Application Number: PCT/BE2004/000092
- (22) International Filing Date: 24 June 2004 (24.06.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
03447171.4                          24 June 2003 (24.06.2003) EP  
PCT/BE03/00162                          26 September 2003 (26.09.2003) BE
- (71) Applicant (for all designated States except US): FUJI OIL EUROPE [BE/BE]; Kuhlmannlaan 36, B-9042 Gent (BE).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): CLEENEWERCK, Bernard [BE/BE]; Rozenlaan 35, B-9185 Wachtebeke (BE).
- (74) Agents: LUYS, Marie-José et al.; Gevers & Vander Haeghen, Holidaystraat, 5, B-1831 Diegem (BE).
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/112492 A1

---

(54) Title: LOW-TRANS FOR CONFECTIONERY FAT COMPOSITIONS

(57) Abstract: The present invention relates to a process for the production of a fat composition suitable for use as a confectionery fat, wherein a starting fat composition which contains between 20 and 95wt% of S<sub>2</sub>U, less than 75wt% of SU<sub>2</sub>+U<sub>3</sub>, less than 20wt% of S<sub>3</sub> between 1 and 12wt% of diglycerides, between 10 and 100 wt% of at least one interesterified fat, the interesterified fat containing less than 15wt% of C-12 with respect to the total amount of interesterified fat, is subjected to a catalytic hydrogenation so as to obtain a first fat and in that the first fat is incorporated in the fat composition. Thereby the glyceride contents are expressed as wt% with respect to the total amount of di-and triglycerides, S means a saturated fatty acid with a hydrocarbon chain length of 14-24 carbon atoms, U means unsaturated fatty acid with a hydrocarbon chain length of 14-24 carbon atoms.